

#### **Claim 1**

**I claim that the coupled flux rotator is novel and the horizontal shaft/vane pair so arranged is a hitherto unknown, but useful and easily implemented concept. The horizontal shaft through the vertical shaft enabling the closing of one vane to simultaneously open the opposite vane is an important inventive step.**

**Claim 2**

**The function of the coupled flux rotator concept is independent of the vertical distance between one set of bearing housings and the next pair above or below it.**

### Claim 3

The concept of the coupled flux rotator is the same independent of the number of horizontal shaft/vane pairs on the vertical shaft or the angle between the shafts as measured from their projections on a *horizontal plane*